

(FILE 'HCAPLUS' ENTERED AT 10:45:19 ON 09 APR 2003)

L8 11746 SEA ABB=ON PLU=ON RDRP OR (RNA OR RIBONUCLEIC OR RIBO
NUCLEIC) (W)DEPEND?(W) (RNA OR RIBONUCLEIC OR RIBO
NUCLEIC) (W) POLYMERASE OR HCV OR HEPATIT? C OR FLAVIVIRID?

L9 215 SEA ABB=ON PLU=ON L8 AND (EU!ARYOT? OR 293 OR 293FL?)

L10 35 SEA ABB=ON PLU=ON L9 AND (CDNA OR (C OR COMPLEMENT?) (W)
(DNA OR DEOXYRIBONUCLEIC OR DEOXY(W) (RIBONUCLEIC OR RIBO
NUCLEIC) OR DEOXYRIBO NUCLEIC))

L11 2 SEA ABB=ON PLU=ON L10 AND (UTR OR UNTRANSLAT? REGION)

L12 4 SEA ABB=ON PLU=ON L10 AND (MEAS? OR QUANT?)

L13 9 SEA ABB=ON PLU=ON L10 AND VITRO

L14 9 SEA ABB=ON PLU=ON L11 OR L12 OR L13

L14 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2003 ACS

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TITLE: In vitro system for measuring
replication of RNA-dependent
RNA polymerase (RDRP
) viruses

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

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AB This invention is an in vitro system for the replication
of the viral genomes of viruses that depend upon the enzyme
RNA-dependent RNA polymerase (RDRP) for replication. The method of the invention provides
an efficient means for measuring genomic replication in
RDRP viruses, and also for the rapid screening of compds.
for their ability to inhibit genomic replication of RDRP
viruses, including the Hepatitis C virus (HCV). The method employs a construct comprising the 3' and
5' untranslated regions (UTR5) of the viral
genome which are operably linked on the 5' and 3' ends of a reporter